

SCORE Search Results Details for Application 09855320 and Search Result 20080428_144555_us-09-855-320-1.ra1.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 09855320 and Search Result 20080428_144555_us-09-855-320-1.ra1.

[Go Back to previous page](#)

GenCore version 6.2.1
Copyright (c) 1993 - 2008 Bioceleration Ltd.

OM protein - protein search, using sw model

Run on: April 28, 2008, 16:14:41 ; Search time 66 Seconds
(without alignments)
1020.025 Million cell updates/sec

Title: US-09-855-320-1
Perfect score: 1998
Sequence: 1 MDPLGPAKPQWSWRCCLTTL.....CWKLQESRYQTRGIAAWFT 359

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1143754 seqs, 186252778 residues

Total number of hits satisfying chosen parameters: 1143754

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /ABSS/Data/CRF/ptodata/1/iaa/5_COMB.pep:*
- 2: /ABSS/Data/CRF/ptodata/1/iaa/6_COMB.pep:*
- 3: /ABSS/Data/CRF/ptodata/1/iaa/7_COMB.pep:*
- 4: /ABSS/Data/CRF/ptodata/1/iaa/H_COMB.pep:*
- 5: /ABSS/Data/CRF/ptodata/1/iaa/PCTUS_COMB.pep:*
- 6: /ABSS/Data/CRF/ptodata/1/iaa/RE_COMB.pep:*
- 7: /ABSS/Data/CRF/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

%	
Result	Query

No.	Score	Match	Length	DB	ID	Description
1	1998	100.0	359	1	US-07-914-281-14	Sequence 14, Appl
2	1998	100.0	359	1	US-08-393-246-14	Sequence 14, Appl
3	1998	100.0	359	1	US-08-525-058A-14	Sequence 14, Appl
4	1998	100.0	359	1	US-08-696-731-14	Sequence 14, Appl
5	1998	100.0	359	2	US-09-042-531-14	Sequence 14, Appl
6	1998	100.0	359	2	US-09-092-315-10	Sequence 10, Appl
7	1998	100.0	359	2	US-09-733-524A-10	Sequence 10, Appl
8	1998	100.0	359	2	US-10-189-977A-10	Sequence 10, Appl
9	1998	100.0	359	3	US-10-392-098A-10	Sequence 10, Appl
10	1998	100.0	359	3	US-10-120-319A-10	Sequence 10, Appl
11	1850.5	92.6	336	3	US-10-108-260A-4748	Sequence 4748, Ap
12	1734.5	86.8	374	1	US-07-914-281-11	Sequence 11, Appl
13	1734.5	86.8	374	1	US-08-393-246-11	Sequence 11, Appl
14	1734.5	86.8	374	1	US-08-525-058A-11	Sequence 11, Appl
15	1734.5	86.8	374	1	US-08-696-731-11	Sequence 11, Appl
16	1734.5	86.8	374	2	US-09-042-531-11	Sequence 11, Appl
17	1659	83.0	361	1	US-07-914-281-2	Sequence 2, Appli
18	1659	83.0	361	1	US-08-393-246-2	Sequence 2, Appli
19	1659	83.0	361	1	US-08-273-411-3	Sequence 3, Appli
20	1659	83.0	361	1	US-08-525-058A-2	Sequence 2, Appli
21	1659	83.0	361	1	US-08-696-731-2	Sequence 2, Appli
22	1659	83.0	361	2	US-09-042-531-2	Sequence 2, Appli
23	1659	83.0	361	2	US-09-390-131-6	Sequence 6, Appli
24	1659	83.0	361	5	PCT-US91-00899-7	Sequence 7, Appli
25	1473.5	73.7	299	5	PCT-US91-00899-6	Sequence 6, Appli
26	1358	68.0	365	2	US-09-092-315-9	Sequence 9, Appli
27	1358	68.0	365	2	US-09-390-131-7	Sequence 7, Appli
28	1358	68.0	365	3	US-10-392-098A-9	Sequence 9, Appli
29	1358	68.0	365	3	US-10-120-319A-9	Sequence 9, Appli
30	1349	67.5	365	2	US-09-733-524A-9	Sequence 9, Appli
31	1349	67.5	365	2	US-10-189-977A-9	Sequence 9, Appli
32	899.5	45.0	292	3	US-10-184-648-22	Sequence 22, Appl
33	789	39.5	336	3	US-10-764-212-67	Sequence 67, Appl
34	789	39.5	341	3	US-10-764-212-69	Sequence 69, Appl
35	779	39.0	502	2	US-10-080-960-16	Sequence 16, Appl
36	779	39.0	502	3	US-10-184-648-23	Sequence 23, Appl
37	731	36.6	393	2	US-09-390-131-8	Sequence 8, Appli
38	729.5	36.5	356	2	US-09-092-315-12	Sequence 12, Appl
39	729.5	36.5	356	3	US-10-392-098A-12	Sequence 12, Appl
40	729.5	36.5	356	3	US-10-120-319A-12	Sequence 12, Appl
41	709	35.5	355	2	US-09-733-524A-12	Sequence 12, Appl
42	709	35.5	355	2	US-10-189-977A-12	Sequence 12, Appl
43	708	35.4	342	1	US-08-483-151-2	Sequence 2, Appli
44	708	35.4	393	2	US-09-784-077-2	Sequence 2, Appli
45	701	35.1	405	1	US-07-914-281-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

US-07-914-281-14

; Sequence 14, Application US/07914281

; Patent No. 5324663

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

```

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/914,281
; FILING DATE: 19920720
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Lavalleye, Jean-Paul M. P.
; REGISTRATION NUMBER: 31,451
; REFERENCE/DOCKET NUMBER: 2363-060-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 359 amino acids
; TYPE: AMINO ACID
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-07-914-281-14

```

```

Query Match          100.0%; Score 1998; DB 1; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDPLGPAKPQNSWRCCLTLLFQLLMVACFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
      |||
Db      1 MDPLGPAKPQNSWRCCLTLLFQLLMVACFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      |||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGGPAH 180
      |||
Db    121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGGPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPGQTMMETLSRY 240
      |||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPGQTMMETLSRY 240

Qy    241 KFYLAFAENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDVDFQSPKD 300
      |||
Db    241 KFYLAFAENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDVDFQSPKD 300

Qy    301 LARYLQELDKDHYARYLSYFRWRETLRPRSFWSALAFCKACWKLQESRYQTRGIAAWFT 359
      |||

```

Db 301 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQESRYQTRGIAAWFT 359

RESULT 2

US-08-393-246-14

; Sequence 14, Application US/08393246

; Patent No. 5595900

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/393,246

; FILING DATE:

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/220,433

; FILING DATE: 30-MAR-1994

; APPLICATION NUMBER: US 07/914,281

; FILING DATE: 20-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 359 amino acids

; TYPE: amino acid

; TOPOLOGY: unknown

; MOLECULE TYPE: protein

US-08-393-246-14

Query Match 100.0%; Score 1998; DB 1; Length 359;

Best Local Similarity 100.0%; Pred. No. 5.1e-194;

Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDPLGPAKPQWSWRCCLTITLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60

Db 1 MDPLGPAKPQWSWRCCLTITLLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60

Qy 61 IPLILLWTWPNKPIALPRCSEMPVGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

```

Db          61  |IP|L|L|W|T|W|P|F|N|K|P|I|A|L|P|R|C|S|E|M|V|P|G|T|A|D|C|N|I|T|A|D|R|K|V|Y|Q|A|D|A|V|I|V|H|H|R|E|V|M|Y|N|P|S|A|Q|L 120
Qy          121  |P|R|S|P|R|Q|Q|R|W|I|W|F|S|M|E|S|P|S|H|C|W|Q|L|K|A|M|D|G|Y|F|N|L|T|M|S|Y|R|S|D|S|D|I|F|T|P|Y|G|W|L|E|P|W|S|G|Q|P|A|H 180
Db          121  |P|R|S|P|R|Q|Q|R|W|I|W|F|S|M|E|S|P|S|H|C|W|Q|L|K|A|M|D|G|Y|F|N|L|T|M|S|Y|R|S|D|S|D|I|F|T|P|Y|G|W|L|E|P|W|S|G|Q|P|A|H 180
Qy          181  |P|P|L|N|L|S|A|K|E|L|V|A|W|A|V|S|N|W|G|P|N|S|A|R|V|R|Y|Q|S|L|Q|A|H|K|V|D|V|Y|G|R|S|H|K|P|L|Q|G|T|M|M|E|T|L|S|R|Y 240
Db          181  |P|P|L|N|L|S|A|K|E|L|V|A|W|A|V|S|N|W|G|P|N|S|A|R|V|R|Y|Q|S|L|Q|A|H|K|V|D|V|Y|G|R|S|H|K|P|L|Q|G|T|M|M|E|T|L|S|R|Y 240
Qy          241  |K|F|Y|L|A|F|E|N|S|L|H|P|D|Y|I|T|E|K|L|W|R|N|A|L|E|A|W|A|V|P|V|L|G|P|S|R|S|N|Y|E|R|F|L|P|P|D|A|I|H|V|D|D|F|Q|S|P|K|D 300
Db          241  |K|F|Y|L|A|F|E|N|S|L|H|P|D|Y|I|T|E|K|L|W|R|N|A|L|E|A|W|A|V|P|V|L|G|P|S|R|S|N|Y|E|R|F|L|P|P|D|A|I|H|V|D|D|F|Q|S|P|K|D 300
Qy          301  |L|A|R|Y|L|Q|E|L|D|K|D|H|A|R|Y|L|S|Y|F|R|W|R|E|T|L|R|P|R|S|F|S|W|A|L|A|F|C|K|A|C|W|K|L|Q|E|S|R|Y|Q|T|R|G|I|A|A|W|F|T 359
Db          301  |L|A|R|Y|L|Q|E|L|D|K|D|H|A|R|Y|L|S|Y|F|R|W|R|E|T|L|R|P|R|S|F|S|W|A|L|A|F|C|K|A|C|W|K|L|Q|E|S|R|Y|Q|T|R|G|I|A|A|W|F|T 359

```

RESULT 3

US-08-525-058A-14

; Sequence 14, Application US/08525058A

; Patent No. 5770420

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/525,058A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

; TELEX: 248855 OPAT UR

; INFORMATION FOR SEQ ID NO: 14:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 359 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-525-058A-14

```

Query Match      100.0%;  Score 1998;  DB 1;  Length 359;
Best Local Similarity 100.0%;  Pred. No. 5.1e-194;
Matches 359;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;

Qy      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFFSYLRSVQDDPTVYPNGSRFPDSTGTGPAHS 60
      |||
Db      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFFSYLRSVQDDPTVYPNGSRFPDSTGTGPAHS 60

Qy      61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPYQADAVIVHHREVMYNPSAQL 120
      |||
Db      61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPYQADAVIVHHREVMYNPSAQL 120

Qy      121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGGPAH 180
      |||
Db      121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPYGWLEPWSGGPAH 180

Qy      181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHCLKVDVYGRSHKPLPQGTMMETLSRY 240
      |||
Db      181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHCLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy      241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300
      |||
Db      241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

Qy      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359
      |||
Db      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359

```

RESULT 4

US-08-696-731-14

; Sequence 14, Application US/08696731

; Patent No. 5955347

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/696,731

; FILING DATE: 14-AUG-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/393,246


```

;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,
;   ADDRESSEE:  P.C.
;   STREET:  1755 Jefferson Davis Highway, Fourth Floor
;   CITY:  Arlington
;   STATE:  Virginia
;   COUNTRY:  U.S.A.
;   ZIP:  22202
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  Floppy disk
;   COMPUTER:  IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/09/042,531
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/393,246
;   FILING DATE:
;   APPLICATION NUMBER:  US 08/220,433
;   FILING DATE:  30-MAR-1994
;   APPLICATION NUMBER:  US 07/914,281
;   FILING DATE:  20-JUL-1992
;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Lavalleye, Jean-Paul M. P.
;   REGISTRATION NUMBER:  31,451
;   REFERENCE/DOCKET NUMBER:  2363-060-55
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (703)521-4500
;   TELEFAX:  (703)486-2347
;   TELEX:  248855 OPAT UR
;   INFORMATION FOR SEQ ID NO:  14:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  359 amino acids
;   TYPE:  amino acid
;   TOPOLOGY:  unknown
;   MOLECULE TYPE:  protein
US-09-042-531-14

```

```

Query Match      100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDPLGPAKPQWSWRCCLTLLFQLLMVAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db      1 MDPLGPAKPQWSWRCCLTLLFQLLMVAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMPVGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     61 IPLILLWTWPFNKPIALPRCSEMPVGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQQRNIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    121 PRSPRRQQRNIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPGQTMETLSRY 240
      | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPGQTMETLSRY 240

Qy    241 KFYLFENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAFIHVDDFQSPKD 300

```



```

Db      241  KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
Qy      301  LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359
Db      301  LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359

```

RESULT 6

```

US-09-092-315-10
; Sequence 10, Application US/09092315
; Patent No. 6399337
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: ALPHA-1, 3-FUCOSYLTRANSFERASE
; FILE REFERENCE: 07254/049001
; CURRENT APPLICATION NUMBER: US/09/092,315
; CURRENT FILING DATE: 1998-06-05
; EARLIER APPLICATION NUMBER: US 60/048,857
; EARLIER FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-092-315-10

```

```

Query Match      100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1  MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
Db      1  MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTGTPAHS 60
Qy      61  IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
Db      61  IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
Qy      121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGGPAH 180
Db      121 PRSPRRQGQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGGPAH 180
Qy      181 PPNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
Db      181 PPNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
Qy      241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
Db      241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
Qy      301  LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359
Db      301  LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359

```

RESULT 7

```

US-09-733-524A-10
; Sequence 10, Application US/09733524A

```

```

; Patent No. 6534298
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
; TITLE OF INVENTION: FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
; TITLE OF INVENTION: EXPRESSING THEM (amended)
; FILE REFERENCE: 07254-049002
; CURRENT APPLICATION NUMBER: US/09/733,524A
; CURRENT FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-733-524A-10

```

```

Query Match          100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRSVQDDPTVYPNGSRFPDSTGTGPAHS 60
      |||||||
Db      1 MDPLGPAKPQWSWRCCLTTLFQLLMAVCFFSYLRSVQDDPTVYPNGSRFPDSTGTGPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPYQADAVIVHHREVMYNPSAQL 120
      |||||||
Db     61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPYQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQGRQRIWFWSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGGQPAH 180
      |||||||
Db    121 PRSPRRQGRQRIWFWSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
      |||||||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
      |||||||
Db    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEEESRYQTRGIAAWFT 359
      |||||||
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEEESRYQTRGIAAWFT 359

```

RESULT 8

US-10-189-977A-10

```

; Sequence 10, Application US/10189977A
; Patent No. 6962806
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; TITLE OF INVENTION: NUCLEIC ACIDS ENCODING ALPHA-1,3
; TITLE OF INVENTION: FUCOSYLTRANSFERASES AND EXPRESSION SYSTEMS FOR MAKING AND
; TITLE OF INVENTION: EXPRESSING THEM (amended)

```

```
; FILE REFERENCE: 07254-049002
; CURRENT APPLICATION NUMBER: US/10/189,977A
; CURRENT FILING DATE: 2002-03-07
; PRIOR APPLICATION NUMBER: US/09/733,524
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-189-977A-10
```

```
Query Match      100.0%; Score 1998; DB 2; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 MDPLGPAKPQSWRCCLTTLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60
      |||
Db      1 MDPLGPAKPQSWRCCLTTLFQLLMAVCFFSYLRVSQDDPTVYPNGSRFPDSTGTPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      |||
Db     61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy    121 PRSPRRQQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGQPAH 180
      |||
Db    121 PRSPRRQQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHKLVVDVYGRSHKPLPGQMMETLSRY 240
      |||
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHKLVVDVYGRSHKPLPGQMMETLSRY 240

Qy    241 KFYLAFAENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAF IHVDDFQSPKD 300
      |||
Db    241 KFYLAFAENSLHPDYITEKLWRNALEAWAVPVVLGPSRSNYERFLPPDAF IHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLPFRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359
      |||
Db    301 LARYLQELDKDHARYLSYFRWRETLPFRSFSWALAFCKACWKQLQEEESRYQTRGIAAWFT 359
```

```
RESULT 9
US-10-392-098A-10
; Sequence 10, Application US/10392098A
; Patent No. 7029891
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; APPLICANT: University of Alberta
; TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
; FILE REFERENCE: 017398-000420US
; CURRENT APPLICATION NUMBER: US/10/392,098A
; CURRENT FILING DATE: 2003-03-17
; PRIOR APPLICATION NUMBER: US/10/120,319
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/048,857
```

```
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: US 09/733,524
; PRIOR FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human alpha-1,3-fucosyltransferase fucT VI
; OTHER INFORMATION: (HFucT6)
US-10-392-098A-10
```

```
Query Match          100.0%; Score 1998; DB 3; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFSSYLRSVQDDPTIVPNGSRFPDSTGTPAHS 60
      |||||||
Db      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFSSYLRSVQDDPTIVPNGSRFPDSTGTPAHS 60

Qy      61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120
      |||||||
Db      61 IPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVYPQADAVIVHHREVMYNPSAQL 120

Qy      121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180
      |||||||
Db      121 PRSPRRQQRQRIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTPTYGWLEPWSGQPAH 180

Qy      181 PPNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
      |||||||
Db      181 PPNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy      241 KFYLAFENS LHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
      |||||||
Db      241 KFYLAFENS LHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300

Qy      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACKWLQEEESRYQTRGIAAWFT 359
      |||||||
Db      301 LARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACKWLQEEESRYQTRGIAAWFT 359
```

RESULT 10

```
US-10-120-319A-10
; Sequence 10, Application US/10120319A
; Patent No. 7166449
; GENERAL INFORMATION:
; APPLICANT: Taylor, Diane E.
; APPLICANT: Ge, Zhongming
; APPLICANT: University of Alberta
; TITLE OF INVENTION: Alpha-1,3 Fucosyltransferase
; FILE REFERENCE: 017398-000420US
; CURRENT APPLICATION NUMBER: US/10/120,319A
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US 60/048,857
; PRIOR FILING DATE: 1997-06-06
; PRIOR APPLICATION NUMBER: US 09/092,315
; PRIOR FILING DATE: 1998-06-05
```

```

; PRIOR APPLICATION NUMBER: US 09/733,524
; PRIOR FILING DATE: 2000-12-07
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 359
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human alpha-1,3-fucosyltransferase fucT VI
; OTHER INFORMATION: (HFucT6)
US-10-120-319A-10

```

```

Query Match          100.0%; Score 1998; DB 3; Length 359;
Best Local Similarity 100.0%; Pred. No. 5.1e-194;
Matches 359; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

Qy      1 MDPLGPAKPQNSWRCCLTLLFQLLMVACFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60
Db      1 MDPLGPAKPQNSWRCCLTLLFQLLMVACFFSYLRVSQDDPTVYPNGSRFPDSTGTGPAHS 60

Qy     61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVPYQADAVIVHREVMYNPSAQL 120
Db     61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVPYQADAVIVHREVMYNPSAQL 120

Qy    121 PRSPRRQQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGQPAH 180
Db    121 PRSPRRQQRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGWLEPWSGQPAH 180

Qy    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
Db    181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240

Qy    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
Db    241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300

Qy    301 LARYLQELDKDHARYLSYFRWRETLRPRFSWALAFCKACWKLOQESRYQTRGIAAWFT 359
Db    301 LARYLQELDKDHARYLSYFRWRETLRPRFSWALAFCKACWKLOQESRYQTRGIAAWFT 359

```

RESULT 11

```

US-10-108-260A-4748
; Sequence 4748, Application US/10108260A
; Patent No. 7193069
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. 7193069e1 full length cDNA
; FILE REFERENCE: H1-A0106
; CURRENT APPLICATION NUMBER: US/10/108,260A
; CURRENT FILING DATE: 2002-03-27
; NUMBER OF SEQ ID NOS: 5458
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4748
; LENGTH: 336
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-108-260A-4748

```

```

Query Match          92.6%; Score 1850.5; DB 3; Length 336;

```

Best Local Similarity 93.3%; Pred. No. 4.4e-179;
Matches 335; Conservative 1; Mismatches 0; Indels 23; Gaps 1;

```

Qy      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFFSYLRSQDDPTVYPNGSRFPDSTGTGPAHS 60
      |||
Db      1 MDPLGPAKPQWSWRCCLTLLFQLLMAVCFFSYLRSQDDPTVYPNGSRFPDSTGTGPAHS 60
      |||

Qy      61 IPLILLWTWPFNKPIALPRCSEMPGTADCNITADRKVPQADAVIVHHREVMYNPSAQL 120
      |||
Db      61 IPLILLWTWPFNKPIALPRCSE-----IVHHREVMYNPSAQL 97
      |||

Qy      121 PRSPRRGQGRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGLWLEPWSGQPAH 180
      |||
Db      98 PRSPRRGQGRWIWFSMESPSHCWQLKAMDGYFNLTMSYRSDSDIFTYPYGLWLEPWSGQPAH 157
      |||

Qy      181 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 240
      |||
Db      158 PPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHKPLPQGTMMETLSRY 217
      |||

Qy      241 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 300
      |||
Db      218 KFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPPDAFIHVDDFQSPKD 277
      |||

Qy      301 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQESRYQTRGIAAWFT 359
      |||
Db      278 LARYLQELDKDHARYLSYFRWRETLRPRSFWSALAFCKACWKLQESRYQTRGIAAWFT 336
      |||

```

RESULT 12

US-07-914-281-11

; Sequence 11, Application US/07914281

; Patent No. 5324663

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/914,281

; FILING DATE: 19920720

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

Query Match 86.8%; Score 1734.5; DB 1; Length 374;
Best Local Similarity 85.6%; Pred. No. 3.1e-167;
Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;

Qy	1	MDPLGPAKPQWSWRCCLITLLFQLLMVACFFSYLRVSDQDP-----TVYPN	46
Db	1	MDPLGPAKPQWLWRRCLAGLLFQLLVAVCFYSYLRVSRDDATGSPRGLMAVEPVTGAPN	60
Qy	47	GSRFPDSTGTPAHSIPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPQADAVI	106
Db	61	GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVYPQADAVI	120
Qy	107	VHHREVMYNPSAQLPRSPRRQQRWIFWSMESPSHCWLKAMDGYFNLTMSYRSDSDIFT	166
Db	121	VHHWDIMYNPSANLPPTRPQQRWIFWSMESPSNCRHLEALDGYFNLTMSYRSDSDIFT	180
Qy	167	PYGWLEPWSGQPAHPHPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHKLVDVYGRSHK	226
Db	181	PYGWLEPWSGQPAHPHPLNLSAKTELVAWAVSNWKPDSARVRYYSQSLQAHKLVDVYGRSHK	240
Qy	227	PLPGQTMETLSRYKFYLAFLNSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP	286
Db	241	PLPGQTMETLSRYKFYLAFLNSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP	300
Qy	287	DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPSFSWALAFCKACWKLQEE	346
Db	301	DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPSFSWALAFCKACWKLQEE	360
Qy	347	SRYQT-RGIAAWFT 359	
Db	361	SRYOTVRSIAAWFT 374	

```

US-08-393-246-11
; Sequence 11, Application US/08393246
; Patent No. 5595900
; GENERAL INFORMATION:
; APPLICANT: LOWE, JOHN B.
; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia

```


Db

RESULT 14

```

US-08-525-058A-11
; Sequence 11, Application US/08525058A
; Patent No. 5770420
; GENERAL INFORMATION:
; APPLICANT: LOWE, JOHN B.
; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS
; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,
; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION
; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTURES
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
; STREET: 1755 Jefferson Davis Highway, Fourth Floor
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,058A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Lavalleye, Jean-Paul M. P.
; REGISTRATION NUMBER: 31,451
; REFERENCE/DOCKET NUMBER: 2363-060-55
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)521-4500
; TELEFAX: (703)486-2347
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 374 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-525-058A-11

```

Query Match 86.8%; Score 1734.5; DB 1; Length 374;
Best Local Similarity 85.6%; Pred. No. 3.1e-167;
Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;

Qy	1	MDPLGPAKPQWSWRCCLITLLFQLLMVAVCFYSYLRVSQDDP-----TVYPN	46
Db	1	MDPLGPAKPQWLWRRCLAGLLFQLLVAVCFYSYLRVSRDDATGSRPRLMAVEPTVGAPN	60
Qy	47	GSRFPDSTGTPAHSIPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRVKVPQADAVI	106
Db	61	GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVYPQADAVI	120
Qy	107	VHHREVMYNPSAQLPRSPRRQQRWIFWSMESPSHCWLKAMDGYFNLTMSYRSDSDIFT	166

```

Db      121 VHHWDIMYNPSANLPPPTRPQGQRWIWFSMESPSNCRHLEALDGYFNLTMSYRSDSDIFT 180
Qy      167 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWGPNSARVRYQSLQAHLLKVDVYGRSHK 226
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db      181 PYGWLEPWSGQPAHPPLNLSAKTELVAWAVSNWKPDSARVRYQSLQAHLLKVDVYGRSHK 240
Qy      227 PLPGQTMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSRNYERFLPP 286
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      241 PLPGQTMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSRNYERFLPP 300
Qy      287 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFKACWKLOQE 346
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      301 DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFKACWKLOQE 360
Qy      347 SRYQT-RGIAAWFT 359
      ||||| |||||
Db      361 SRYQTVRSIAAWFT 374

```

RESULT 15

US-08-696-731-11

; Sequence 11, Application US/08696731

; Patent No. 5955347

; GENERAL INFORMATION:

; APPLICANT: LOWE, JOHN B.

; TITLE OF INVENTION: METHODS AND PRODUCTS FOR THE SYNTHESIS

; TITLE OF INVENTION: OF OLIGOSACCHARIDE STRUCTURES ON GLYCOPROTEINS,

; TITLE OF INVENTION: GLYCOLIPIDS, OR AS FREE MOLECULES, AND FOR THE ISOLATION

; TITLE OF INVENTION: OF CLONED GENETIC SEQUENCES THAT DETERMINE THESE STRUCTU

; NUMBER OF SEQUENCES: 14

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,

; ADDRESSEE: P.C.

; STREET: 1755 Jefferson Davis Highway, Fourth Floor

; CITY: Arlington

; STATE: Virginia

; COUNTRY: U.S.A.

; ZIP: 22202

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/696,731

; FILING DATE: 14-AUG-1996

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/393,246

; FILING DATE:

; APPLICATION NUMBER: US 08/220,433

; FILING DATE: 30-MAR-1994

; APPLICATION NUMBER: US 07/914,281

; FILING DATE: 20-JUL-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Lavalleye, Jean-Paul M. P.

; REGISTRATION NUMBER: 31,451

; REFERENCE/DOCKET NUMBER: 2363-060-55

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703)521-4500

; TELEFAX: (703)486-2347

Query Match 86.8%; Score 1734.5; DB 1; Length 374;
Best Local Similarity 85.6%; Pred. No. 3.1e-167;
Matches 320; Conservative 11; Mismatches 28; Indels 15; Gaps 2;

Qy	1	MDPLGPAKPQWSWRCCLITLLQLQLMAVCFFSYLRVSQDDP-----TVYPN	46
Db	1	MDPLGPAKPQWLWRRCLAGLLFQLLVAVCFFSYLRVSRDDATGSPRGLMAVEPVTGAPN	60
Qy	47	GSRFPDSTGTPAHSIPLILLWTWPFNKPIALPRCSEMVPGTADCNITADRKVPQADAVI	106
Db	61	GSRCQDSMATPAHPTLLILLWTWPFNTPVALPRCSEMVPGAADCNITADSSVIPQADAVI	120
Qy	107	VHHREVMYNPSAQLPRSPRRQQRWIFWSMESPSHCWLKAMDGYFNLMTSYRSDSDIFT	166
Db	121	VHHWDIMYNPSANLPPTRPQGQRWIFWSMESPSNCRHLEALDGYFNLMTSYRSDSDIFT	180
Qy	167	PYGWLEPWSGGQPAHPHPLNLSAKTELVAWAVSNWGPNSARVRYYSQSLQAHLKVDVYGRSHK	226
Db	181	PYGWLEPWSGGQPAHPHPLNLSAKTELVAWAVSNWKPDSARVRYYSQSLQAHLKVDVYGRSHK	240
Qy	227	PLPGQTMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP	286
Db	241	PLPGQTMETLSRYKFYLAFENSLHPDYITEKLWRNALEAWAVPVVLGSPRSNYERFLPP	300
Qy	287	DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEE	346
Db	301	DAFIHVDDFQSPKDLARYLQELDKDHARYLSYFRWRETLRPRSFSWALAFCKACWKLQEE	360
Qy	347	SRYQT-RGIAAWFT 359	
Db	361	SRYOTVRSIAAWFT 374	

Search completed: April 28, 2008, 16:17:20
Job time : 66.5521 secs

$$\mathcal{S}^1 \times \mathbb{R}^2 \rightarrow \mathbb{R}^2$$